

Title (en)  
SILICON REFINING EQUIPMENT

Title (de)  
SILIZIUMVERFEINERUNGSANLAGE

Title (fr)  
INSTALLATION D'AFFINAGE DE SILICIUM

Publication  
**EP 2118005 A2 20091118 (FR)**

Application  
**EP 08762072 A 20080212**

Priority

- FR 2008050220 W 20080212
- FR 0753256 A 20070214

Abstract (en)  
[origin: FR2912397A1] Installation for refining silicon comprises a crucible with a base made of a refractory material with high thermal conductivity, a device for cooling the base, a protective shield of refractory material with low thermal conductivity disposed between the crucible and the silicon charge, and an induction coil disposed in or beneath the base for heating the charge. An independent claim is also included for refining a silicon charge in an installation as above by placing the charge on the protective shield, cooling the base and heating the charge with the induction coil.

IPC 8 full level  
**C01B 33/037** (2006.01); **F27B 14/06** (2006.01); **F27B 14/10** (2006.01); **H01L 31/18** (2006.01)

CPC (source: EP US)  
**C01B 33/037** (2013.01 - EP US); **C03B 5/021** (2013.01 - US); **C03B 5/225** (2013.01 - US); **F27B 14/06** (2013.01 - EP US); **F27B 14/10** (2013.01 - EP US); **H01L 31/1804** (2013.01 - EP US); **Y02E 10/547** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)  
See references of WO 2008104702A2

Citation (examination)  
EP 0459421 A1 19911204 - KAWASAKI STEEL CO [JP]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2912397 A1 20080815; FR 2912397 B1 20090508**; AU 2008220638 A1 20080904; AU 2008220638 B2 20121025; CN 101646621 A 20100210; CN 101646621 B 20131106; EP 2118005 A2 20091118; JP 2010517924 A 20100527; JP 5415285 B2 20140212; US 2013133373 A1 20130530; WO 2008104702 A2 20080904; WO 2008104702 A3 20081106; ZA 200906337 B 20101124

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